WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald Melvin, Environmental Specialist

AREA: Saratoga Passage

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved, Prohibited, Unclassified

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. DOH conducted a shoreline survey of approximately 29 miles of marine shoreline in response to a request for commercial harvest. The Department evaluated 51 drainages or discharge points, 281 developed parcels, and 9 agricultural activities along the shoreline and upland areas. The survey report has not been finalized and the survey area is still unclassified. Beaches near Forbes Point and Oak Harbor were closed for 15 day due to a wastewater treatment plant malfunction. Portions of the area were closed for 18 days due to high levels of biotoxin in Penn Cove.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the approved portion of the growing area pass the NSSP water quality standard.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☒ Well within the classification standards
- ☐ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **SARATOGA PASS**

Classification: **Unclassified,Approved,Prohibited**

From **11/27/2000** To **11/01/2005**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
132	Unclassified	32	1.7 - 4.5	1.9	2.0	Yes
137	Unclassified	29	1.7 - 79.0	2.5	7.0	*N/A
142	Unclassified	36	1.7 - 79.0	2.2	5.0	Yes
143	Unclassified	27	1.7 - 46.0	3.1	10.0	*N/A
144	Unclassified	5	1.7 - 2.0	1.7	1.0	*N/A
145	Unclassified	6	1.7 - 4.5	2.1	3.0	*N/A
146	Unclassified	6	1.7 - 4.5	1.9	3.0	*N/A
147	Unclassified	15	1.7 - 2.0	1.7	1.0	*N/A
148	Unclassified	19	1.7 - 2.0	1.7	1.0	*N/A
149	Unclassified	22	1.7 - 70.0	2.2	6.0	*N/A
150	Unclassified	22	1.7 - 33.0	1.9	4.0	*N/A
151	Unclassified	22	1.7 - 49.0	2.0	5.0	*N/A
152	Unclassified	22	1.7 - 13.0	1.9	3.0	*N/A
153	Unclassified	22	1.7 - 23.0	2.2	5.0	*N/A
154	Unclassified	22	1.7 - 33.0	2.3	7.0	*N/A
155	Unclassified	14	1.7 - 130.0	3.0	18.0	*N/A
156	Unclassified	49	1.7 - 17.0	1.9	3.0	Yes
157	Unclassified	34	1.7 - 4.5	1.8	2.0	Yes
158	Unclassified	34	1.7 - 7.8	2.0	3.0	Yes
159	Unclassified	42	1.7 - 23.0	1.9	3.0	Yes
160	Unclassified	42	1.7 - 17.0	2.1	4.0	Yes
161	Unclassified	43	1.7 - 4.5	1.9	2.0	Yes
162	Unclassified	43	1.7 - 7.8	2.2	4.0	Yes
241	Unclassified	35	1.7 - 13.0	2.4	5.0	Yes
242	Unclassified	35	1.7 - 49.0	3.1	10.0	Yes
274	Unclassified	45	1.7 - 13.0	2.0	3.0	Yes
275	Unclassified	44	1.7 - 4.0	1.7	2.0	Yes
276	Unclassified	44	1.7 - 17.0	1.9	3.0	Yes
277	Unclassified	44	1.7 - 13.0	1.9	3.0	Yes
289	Unclassified	27	1.7 - 2.0	1.7	1.0	*N/A
133	Approved	30	1.7 - 4.5	1.8	2.0	Yes
134	Approved	32	1.7 - 13.0	2.2	4.0	Yes
139	Approved	31	1.7 - 13.0	2.0	3.0	Yes
140	Approved	31	1.7 - 2.0	1.7	1.0	Yes
141	Approved	31	1.7 - 6.8	1.8	2.0	Yes
135	Prohibited	29	1.7 - 33.0	2.6	7.0	*N/A

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

* N/A - SRS criteria require a minimum of 30 samples from each station. *

SARATOGA PASSAGE
PROHIBITED
PROHIBITED
APPROVED
UNCLASSIFIED
APPROVED
142
143
134
133
132
161
162
144
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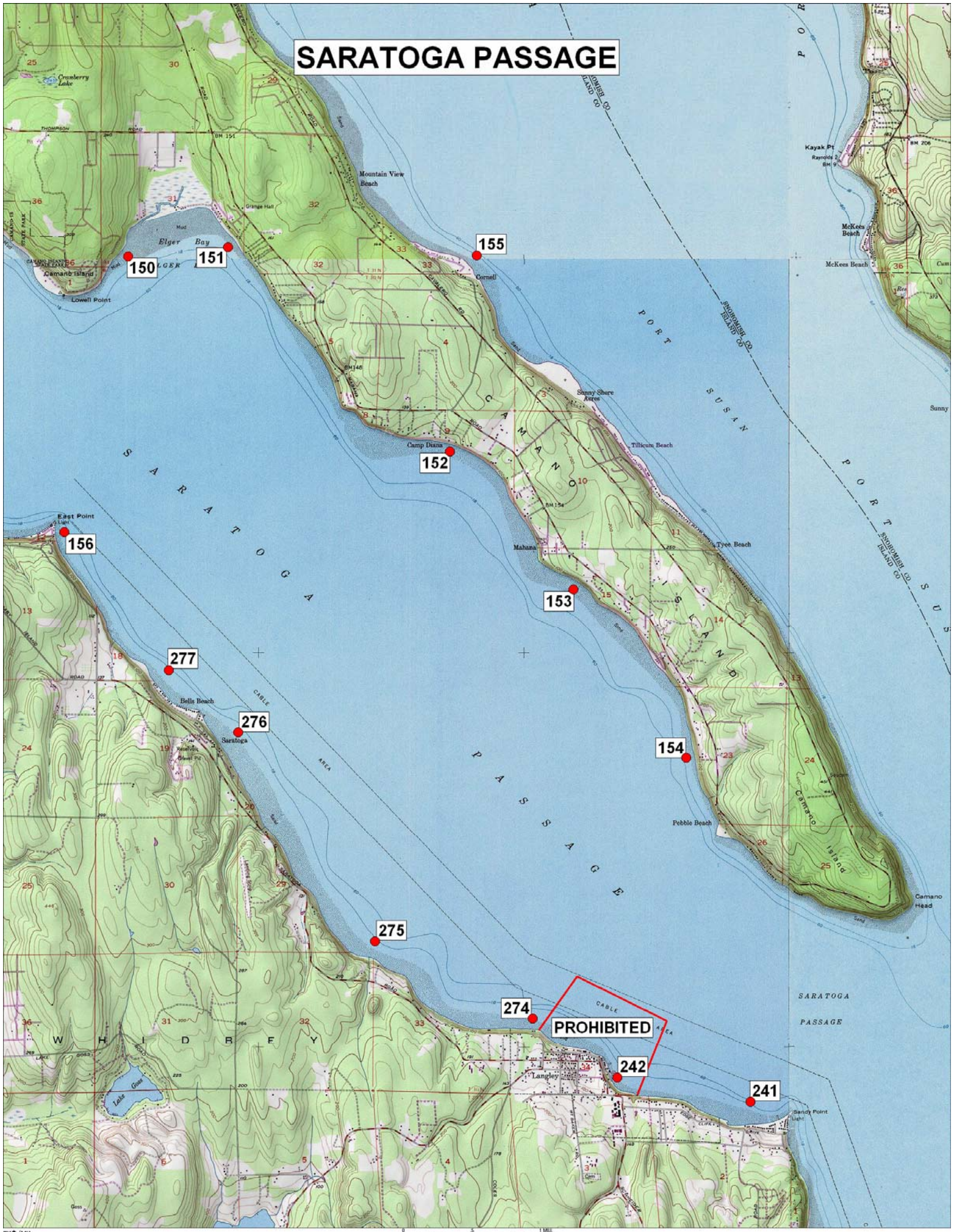
159
135
137
145
146
139
140
147
141
158
157
148
289
149
150
151
OAK HARBOR
WHIDBEY ISLAND NAVAL AIR STATION
CAMANO ISLAND
Smith Prairie
Crockett Lake
ADMIRALTY BAY
ADMIRALTY INLET
CABLE AREA



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